2050E0" 9726660DT

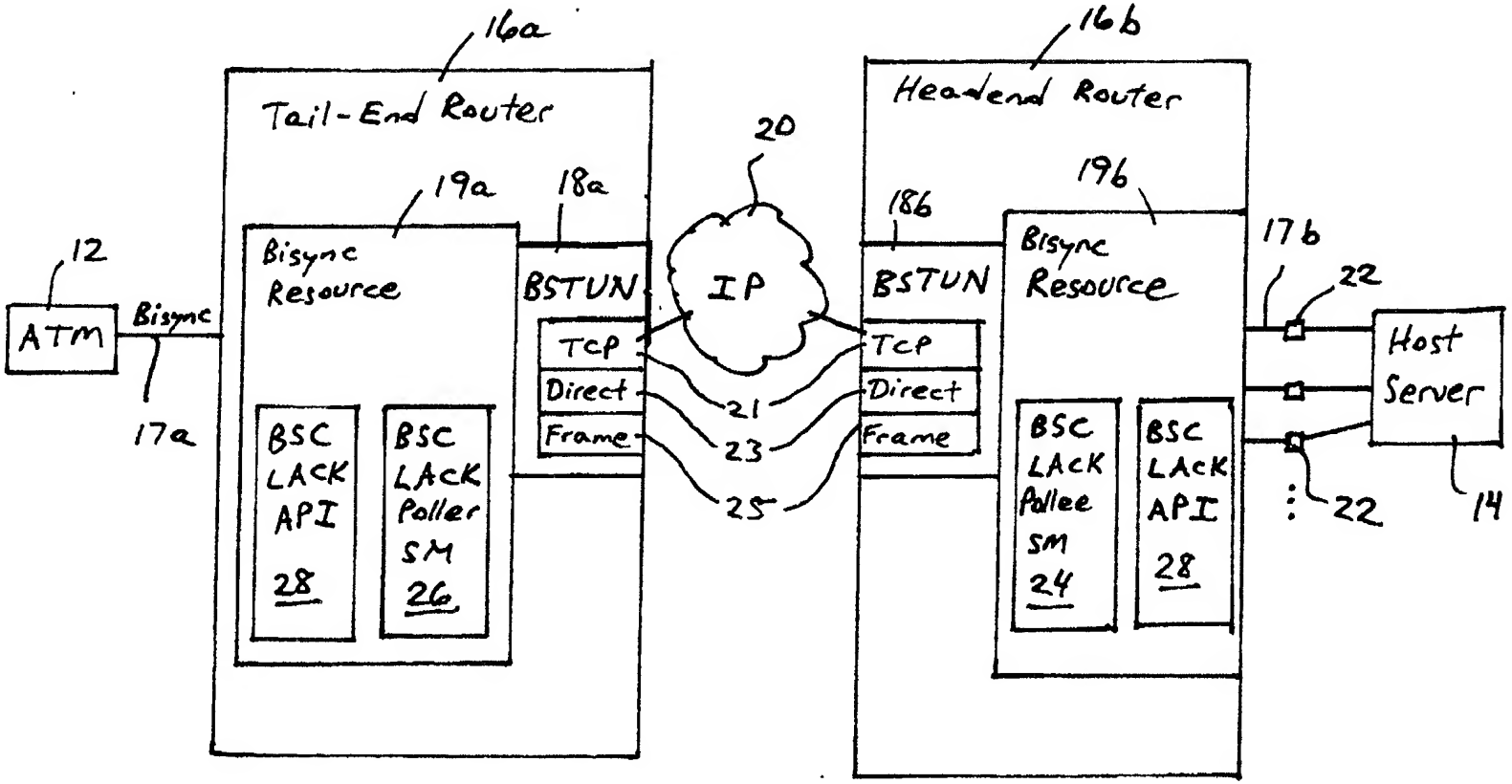

Figure 1
(Prior Art)

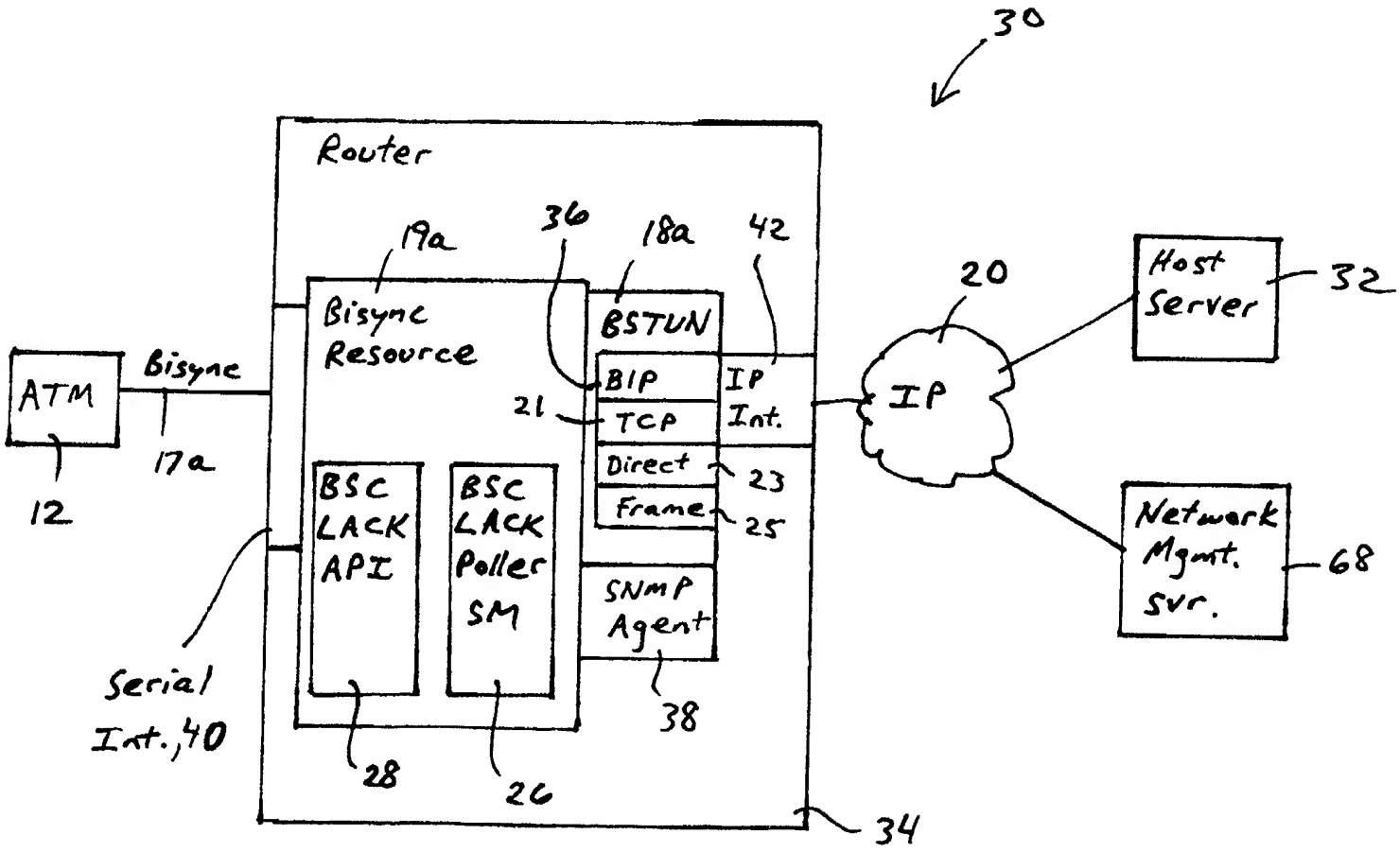
30
Router
19a
36
18a
42
Bisync Resource
BSTUN
BIP
IP Int.
TCP
21
Direct
23
Frame
25
BSC LACK API
BSC LACK Poller SM
SNMP Agent
38
28
26
34
ATM
Bisync
17a
12
Serial Int., 40
IP
20
Host Server
32
Network Mgmt. Svr.
68

Figure 2

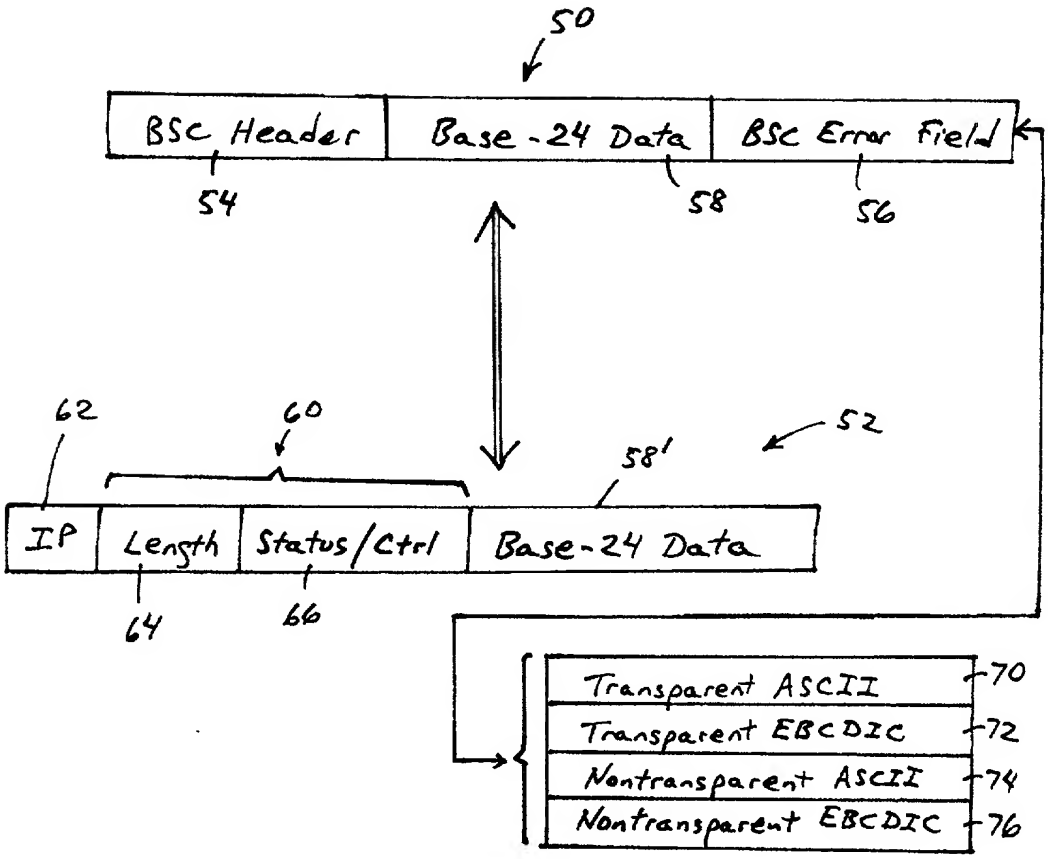

Figure 3

PCT/US97/01007

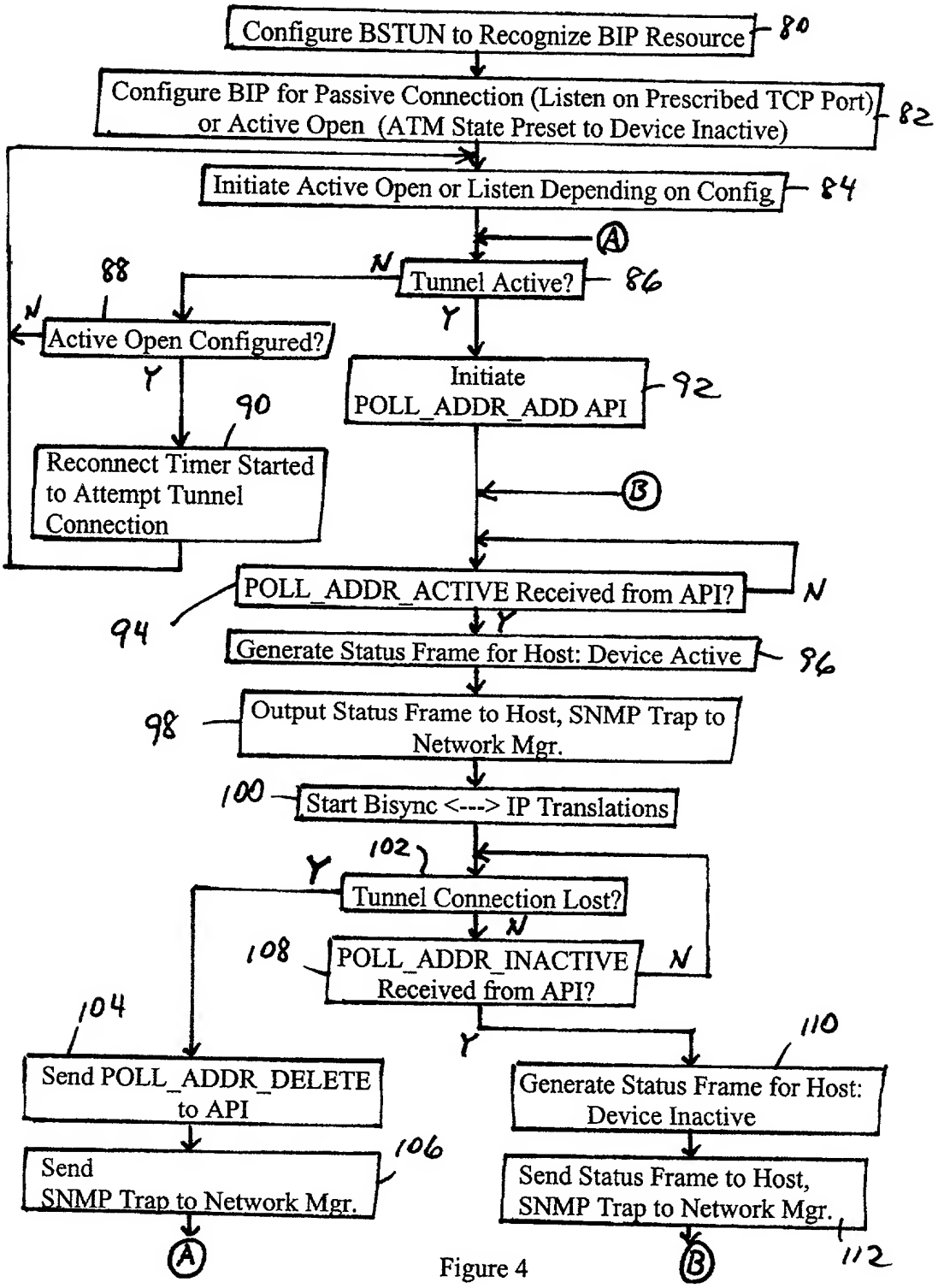
Configure BSTUN to Recognize BIP Resource
80
Configure BIP for Passive Connection (Listen on Prescribed TCP Port) or Active Open (ATM State Preset to Device Inactive)
82
Initiate Active Open or Listen Depending on Config
84
A
Tunnel Active?
86
N
Y
88
Active Open Configured?
N
Y
90
Reconnect Timer Started to Attempt Tunnel Connection
Initiate POLL_ADDR_ADD API
92
B
POLL_ADDR_ACTIVE Received from API?
94
N
Y
Generate Status Frame for Host: Device Active
96
98
Output Status Frame to Host, SNMP Trap to Network Mgr.
100
Start Bisync <---> IP Translations
102
Y
Tunnel Connection Lost?
N
108
POLL_ADDR_INACTIVE Received from API?
N
Y
104
Send POLL_ADDR_DELETE to API
106
Send SNMP Trap to Network Mgr.
A
110
Generate Status Frame for Host: Device Inactive
Send Status Frame to Host, SNMP Trap to Network Mgr.
112
B

Figure 4